

DEINES
MANUFACTURING
CORPORATION

MODEL 40 SLI DECK SUPPLEMENT

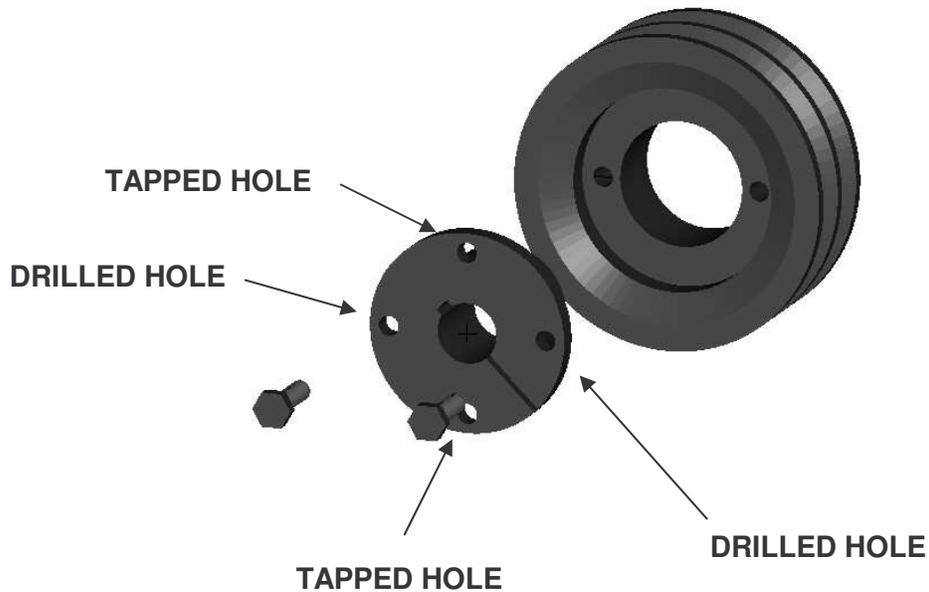
PARTS AND SERVICE MANUAL

DEINES MANUFACTURING CORPORATION
306 WEST HIGHWAY 4
RANSOM, KS 67572
800-624-6774
martyj@gbta.net

DECK MAINTENANCE FOR ALL MODELS

| AREA OF MAINTENANCE | HOURS | NOTES: |
|---|-------|---|
| Gearbox | 8 | Check lubricant every 8 hours. A vented dipstick plug is located on the top of the gearbox. The oil level should be at the fill line on the dipstick tube. If the oil level is low add 80w90 gear oil. CAUTION! DO NOT OVERFILL. Tighten the dipstick finger tight. Over tightening this dipstick will damage your gearbox housing. |
| Blade Spindle Housing | 40 | Use one stroke of a lubricator with multipurpose grease. This prevents moisture from accumulating in the housing. |
| Castor Wheel Forks | 8 | Use two strokes of a lubricator with multi purpose grease. |
| Castor Wheel Stem (using the pneumatic tire) | 8 | Use three strokes of a lubricator with multi purpose grease. |
| Castor Wheel Fork & Stem Adjustment | 8 | Check clip and pin to see that clip is secure to prevent fork or stem from falling out of the deck arm. |

GEAR BOX PULLEY INSTALLATION AND REMOVAL



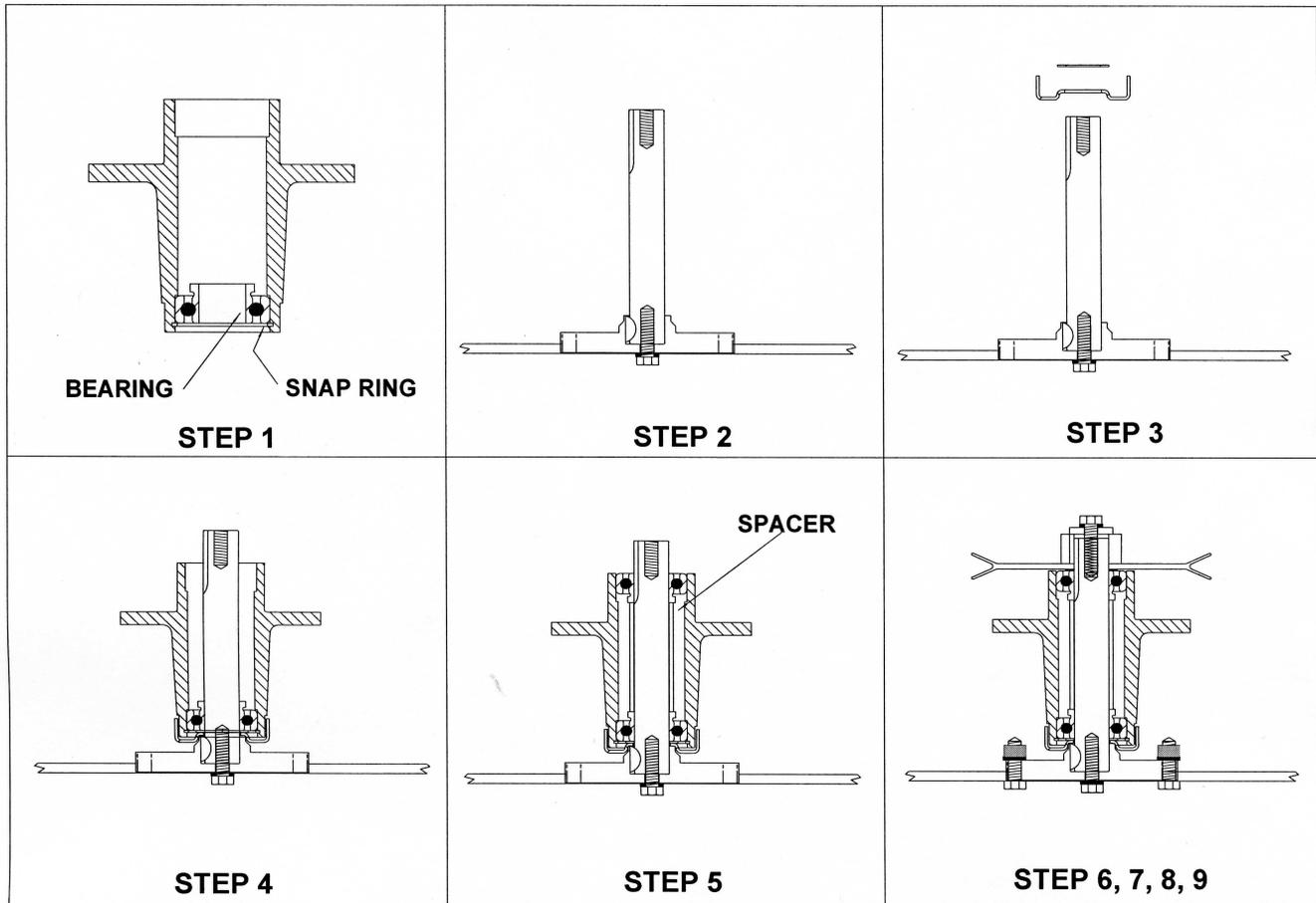
TO INSTALL GEARBOX PULLEY ON GEARBOX SHAFT:

1. Align drilled holes in bushing flange with tapped holes in sheave hub.
2. Insert capscrews through drilled holes in bushing flange and thread loosely in tapped holes in
The sheave.
3. Position assembly on shaft and tighten capscrews progressively and uniformly.
4. Torque specifications for a 1/4-20 grade 5 bolt is a maximum of 8 foot pounds. Do not over torque.

TO REMOVE:

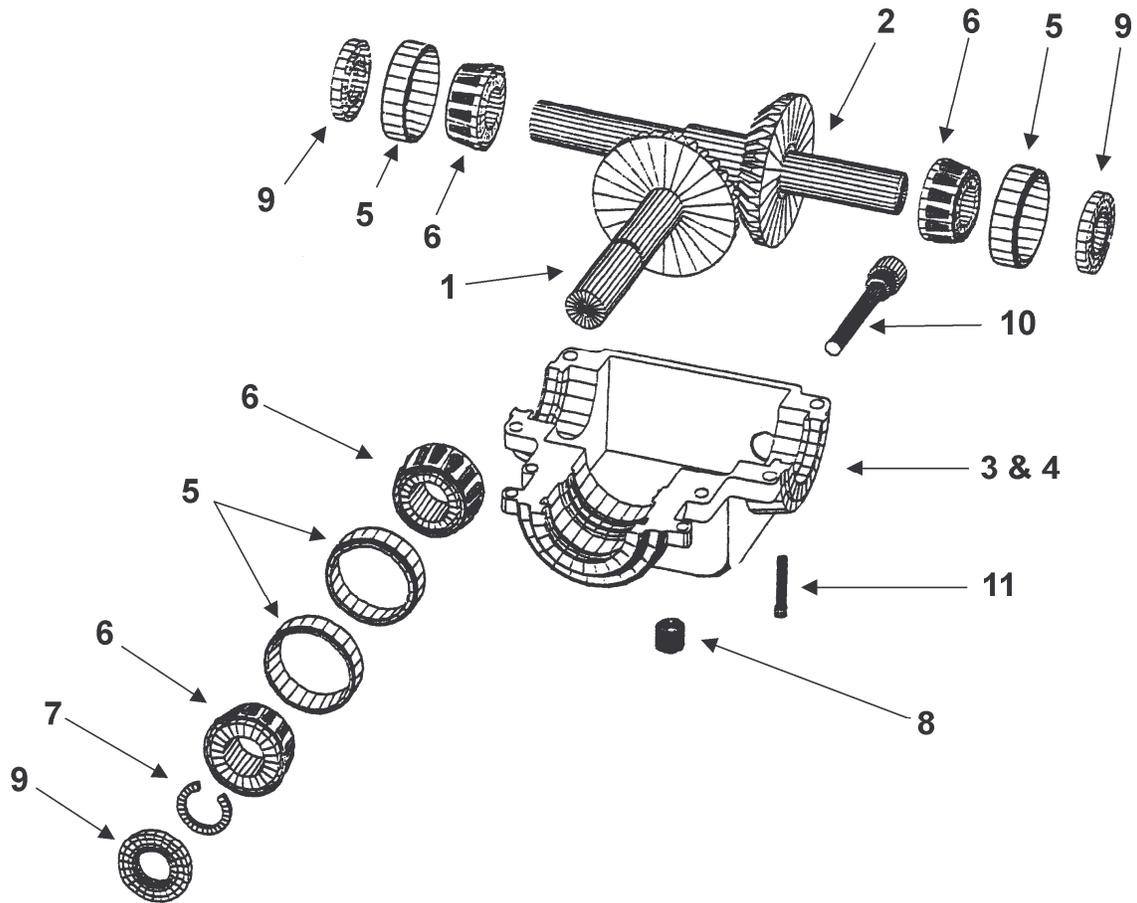
1. Remove capscrews and thread in tapped holes in bushing flange. Tighten progressively until
bushing is free from sheave taper.
2. Remove assembly from shaft.
3. **Do not** use a puller on this type of sheave.

SPINDLE ASSEMBLY INSTRUCTIONS



PRIOR TO SERIAL# Y1909

1. Place bottom bearing in housing and secure with snap ring.
2. Assemble shaft, blade saddle, woodruff key, blade, lock washer, and bolt. Tighten bolt and draw shaft into bottom of the blade saddle.
3. Place trash shield and machine bushing over shaft and against blade saddle.
4. Slide the above shaft assembly in bearing that is in the hub.
5. Slide spacer over the shaft and press the bearing into top side of the hub. Again be sure to place hub of bearing toward center of the hub.
6. Place machine bushing on shaft and against the bearing.
7. Slide the pulley onto the shaft using the square key.
8. With bolt, nut and washer secure the pulley to the shaft and clamp the rotating assembly together.
9. Install set screws in pulley using locktite. Install bolts, lock washers and nuts on the two remaining holes in the blade.



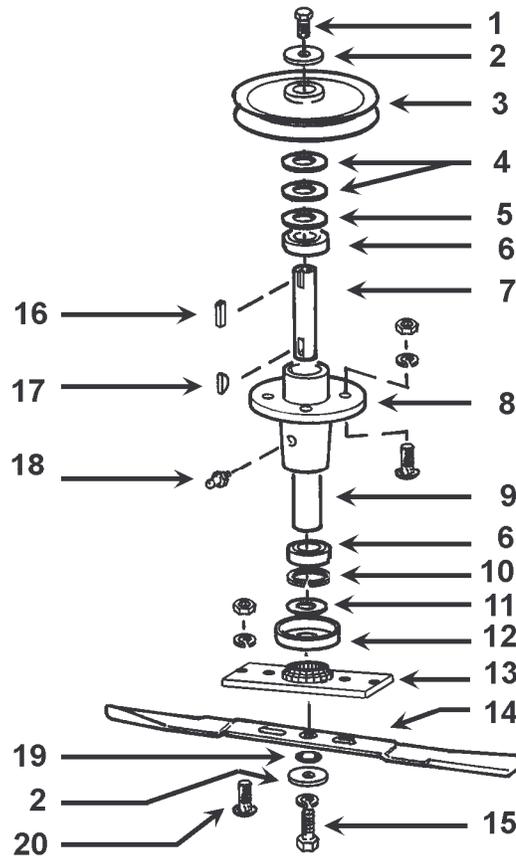
SUPERIOR GEARBOX PARTS EXPLOSION

MODEL # R100-9AAC-A0485

| REF. NO. | PART NO. | DESCRIPTION | REQ'D. |
|----------|-----------------|---------------------------|--------|
| 1 | R100-8B00-A0500 | PINION SHAFT WITH GEAR | 1 |
| 2 | R100-8B00-A0502 | CROSSHAFT WITH GEAR | 1 |
| 3 | R100-003M-A0427 | CASTING WITH TAPPED HOLES | 1 |
| 4 | R100-004M-A0503 | CASTING WITH THRU HOLES | 1 |
| 5 | 300-227A | BEARING CUP | 4 |
| 6 | 300-227 | BEARING CONE | 4 |
| 7 | 203293 | RETAINING RING | 1 |
| 8 | 200300 | PIPE PLUG | 4 |
| 9 | 109873 | SEAL | 4 |
| 10 | IP3021 | DIPSTICK | 1 |
| 11 | 103125 | SOCKET HEAD CAP SCREW | 8 |

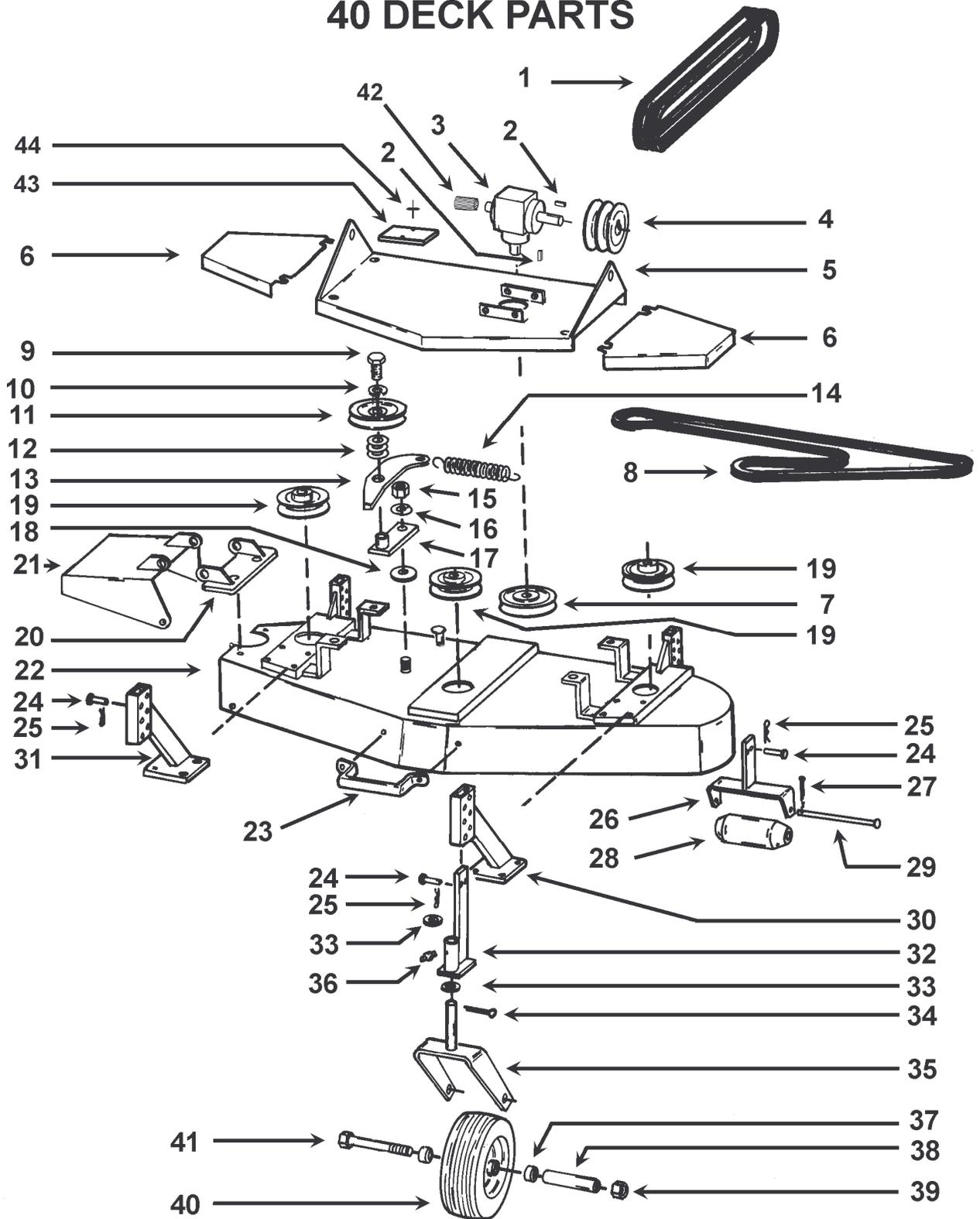
USE 80W90 MULTIPURPOSE OIL IN THE SUPERIOR GEARBOX.
USE THE DIPSTICK TO DETERMINE OIL FILL LEVEL.

40 SPINDLE ASSEMBLY



| REF. # | PART NUMBER | DESCRIPTION | QTY. |
|--------|-------------|-----------------------|------|
| 1 | 300-466 | 3/8 - 24 X 1 HHCS | 3 |
| 2 | 300-173 | WASHER | 6 |
| 3 | 300-606 | PULLEY | 3 |
| 4 | 300-195A | THICK MACHINE BUSHING | 6 |
| 5 | 300-195 | THIN MACHINE BUSHING | 3 |
| 6 | 300-642 | BEARING | 6 |
| 7 | 300-603 | SPINDLE SHAFT | 3 |
| 8 | 300-641 | SPINDLE HOUSING | 3 |
| 9 | 300-643 | SPINDLE SPACER | 3 |
| 10 | 400-257 | SNAP RING | 3 |
| 11 | 300-195A | THICK MACHINE BUSHING | 3 |
| 12 | 300-607 | TRASH SHIELD | 3 |
| 13 | 300-682 | BLADE SADDLE | 3 |
| 14 | 400-814 | BLADE | 3 |
| 15 | 300-466 | 3/8 - 24 X 1 HHCS | 3 |
| 16 | 300-289 | KEY | 3 |
| 17 | 100-172 | WOODRUFF KEY | 3 |
| 18 | 300-212A | GREASE ZERK | 3 |
| 19 | 100-536 | BLADE SPACER | 3 |
| 20 | 300-465 | 3/8 - 16 X 1 HHCS | 6 |

40 DECK PARTS



40 DECK PARTS

| REF. # | PART # | DESCRIPTION | QUANTITY | |
|--------|-----------|-----------------------|----------------------|---|
| 1 | 400-288 | DECK DRIVE BELT | 2 | |
| 2 | 300-289A | KEY | 2 | |
| 3 | 300-655 | GEAR BOX | 1 | |
| 4 | 400-178 | PULLEY & HUB | 1 | |
| 5 | 300-693 | GEARBOX PLATE | 1 | |
| 6 | 300-690 | DECK SHIELD RH & LH | 2 | |
| 7 | 300-615 | GEAR BOX PULLEY | 1 | |
| 8 | 300-692 | 40" DECK BELT | 1 | |
| 9 | 300-585 | 5/8 - 11 X 1 1/2 HHCS | 1 | |
| 10 | 300-517 | 5/8 MEDIUM LOCKWASHER | 1 | |
| 11 | 700-534 | IDLER PULLEY | 1 | |
| 12 | 300-195A | MACHINE BUSHING | 4 | |
| | 300-195 | MACHINE BUSHING | 1 | |
| 13 | 300-686 | ARM LINKAGE | 1 | |
| 14 | 300-687 | SPRING | 1 | |
| 15 | 300-511 | 1/2 - 13 LOCKNUT | 1 | |
| 16 | 400-121 | WAVY WASHER | 1 | |
| 17 | 300-685 | IDLER ARM | 1 | |
| 18 | 300-706 | FRICTION WASHER | 1 | |
| 19 | 300-606 | PULLEY | 3 | |
| 20 | 300-675 | HINGE - PLATE | 1 | |
| 21 | 300-674 | GRASS CHUTE | 1 | |
| 22 | 300-688 | 40" DECK HOUSING | 1 | |
| 23 | 400-998 | HANDLE | 1 | |
| 24 | 300-203 | PIN | 4 | |
| 25 | 300-202 | CLIP | 4 | |
| 26 | 300-243 | ROLLER BRACKET | 2 | |
| 27 | 300-279 | COTTER PIN | 2 | |
| 28 | 100-132 | REAR ROLLER | 2 | |
| 29 | 300-201 | REAR ROLLER PIN | 2 | |
| 30 | 300-647 | LH CASTOR ARM | 1 | |
| 31 | 300-646 | RH CASTOR ARM | 1 | |
| 32 | 300-395 | CASTOR STEM | 2 | |
| 33 | 300-195A | MACHINE BUSHING | 2 | |
| 34 | 200-238 | ROLL PIN | 2 | |
| 35 | 300-391 | CASTOR FORK | 2 | |
| 36 | 300-212 | ZERK | 2 | |
| 37 | 400-234 | REPLACEMENT BEARING | 4 | |
| 38 | 300-117 | CASTOR WHEEL SPACER | 2 | |
| 39 | 300-509 | 1/2 - 13 HEX NUT | 2 | |
| 40 | 300-247 | CASTOR WHEEL AND TIRE | 2 | |
| | 400-212A | TIRE ONLY | 2 | |
| | 400-233 | WHEEL ONLY | 2 | |
| 41 | 300-264 | AXLE | 2 | |
| 42 | 400-918 | PLASTIC SLEEVE | 1 | |
| 43 | 100-490 | NYLON WEAR PLATE | 2 | |
| 44 | 300-544 | POP RIVETS | 4 | |
| | NOT SHOWN | 400-727 | DO NOT OPERATE DECAL | 1 |
| | NOT SHOWN | 400-728 | WHIRLING BLADE DECAL | 2 |



ADJUSTING DECK GAUGE WHEELS, REAR ROLLERS AND CHAIN HANGERS

THE CUTTING HEIGHT OF THE MOWER IS DETERMINED BY THE POSITION OF THE GAUGE WHEELS AND THE REAR ROLLER BRACKET ON THE MOWER DECK. THE MOWER DECK IS A FULL FLOATING TYPE AND WILL CLOSELY FOLLOW THE CONTOURS OF THE GROUND WHEN USING THE GAUGE WHEELS AND REAR ROLLERS FOR THE HEIGHT OF VARIOUS CUTTING POSITIONS. ADJUSTMENT IS DONE BY REMOVING THE GAUGE PIN AND CLIP, MOVING THE STEM OF THE FRONT FORK OR REAR ROLLER BRACKET UP OR DOWN TO THE DESIRED HEIGHT. BE SURE TO HAVE ALL FOUR STEMS IN THE SAME ADJUSTMENT.

ON THE MODELS 60, AND 72 DECKS THERE IS CARRIER STRAP LOCATED AT THE REAR OF THE DECK. IT IS VERY IMPORTANT TO ADJUST THE STRAP AT THE SAME TIME THE FRONT CASTOR WHEEL FORK IS ADJUSTED. KEEP THE REAR ROLLERS APPROXIMATELY 1/8" TO 1/4" ABOVE THE GROUND BY PLACING THE PIN ON THE PUSHARM INTO THE PROPER HOLE ON THE CARRIER STRAP IN ORDER TO RAISE OR LOWER THE REAR OF THE DECK TO ATTAIN THE DESIRED RESULT.

THE OPTIMUM SETTING IS WHERE THE REAR OF THE DECK IS JUST SLIGHTLY HIGHER THAN THE FRONT OF THE DECK. THIS WAY THE BLADE HAS TO CUT THE GRASS ONLY ONCE.

DEINES MANUFACTURING CORP. LIMITED WARRANTY

Deines Manufacturing Corp., P.O. Box 266, Ransom, KS. 67572, proudly warrants to the original purchaser all products and components manufactured by Deines to be free of defects in material and workmanship.

Deines Manufacturing Corp. does not warrant trade accessory items (batteries, engines, generators, transmission, gear boxes, etc.) which are warranted by their respective manufacturers.

Deines Manufacturing Corp. will, at its option, replace or repair without charge to the purchaser for materials or labor any component or product manufactured by Deines found upon examination by any Deines Authorized Distributor or Dealer or by Deines at its plant in Ransom, KS. to be defective in material and/or workmanship.

To obtain warranty service the component, or product must be returned to an Authorized Distributor or Dealer or to the Deines Plant, TRANSPORTATION PREPAID, accompanied by a letter stating the warranty claim. Upon receipt of a Warranty Claim Letter, Deines will within ten business days commence performance of its obligations under this Warranty.

This Warranty will commence upon the date of delivery and will extend as follows: one year for Industrial and/or Commercial applications; one year for Residential applications.

THIS WARRANTY WILL NOT TAKE EFFECT unless the Warranty Registration Card is signed and returned to the Deines Manufacturing Corp. within ten days from delivery date.

This warranty is void if the component or product is modified in any manner which Deines concludes after inspection adversely affects the reliability of the component or product; if the component or product has been repaired or serviced by anyone other than an Authorized Distributor or Dealer or the Deines Plant; if the component or product is damaged because not operated in accordance with application with applicable instructions or because of accident, misuse or abuse; if the component or product is damaged because not properly maintained as set forth in applicable instructions.

THIS EXPRESS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. Deines neither assumes nor authorizes any other person, natural or corporate, to assume for it any other obligations or liability in connection with or with respect to any component or product.

EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ALL IMPLIED WARRANTIES MADE BY DEINES IN CONNECTION WITH ANY COMPONENT OR PRODUCT MANUFACTURED BY IT INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE ARE LIMITED IN DURATION TO THE WARRANTY PERIODS SET FORTH IN PARAGRAPH FORTH ABOVE, AND NO WARRANTIES EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF ABOVE, AND NO WARRANTIES WHETHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS, SHALL APPLY AFTER SAID APPLICABLE PERIOD HAS EXPIRED.

DEINES SHALL UNDER NO CIRCUMSTANCES BE LIABLE FOR ANY DIRECT, INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES AND/OR EXPENSES.

The sale of this product is not subject to any implied warranties of merchantability and there are no warranties which extend beyond the description of the face hereof.

This warranty gives you specific legal rights. You also have implied warranty rights. In the event of a problem with this warranty service or performance, you may be able to go to a small claims court, a State Court, or a Federal District Court.